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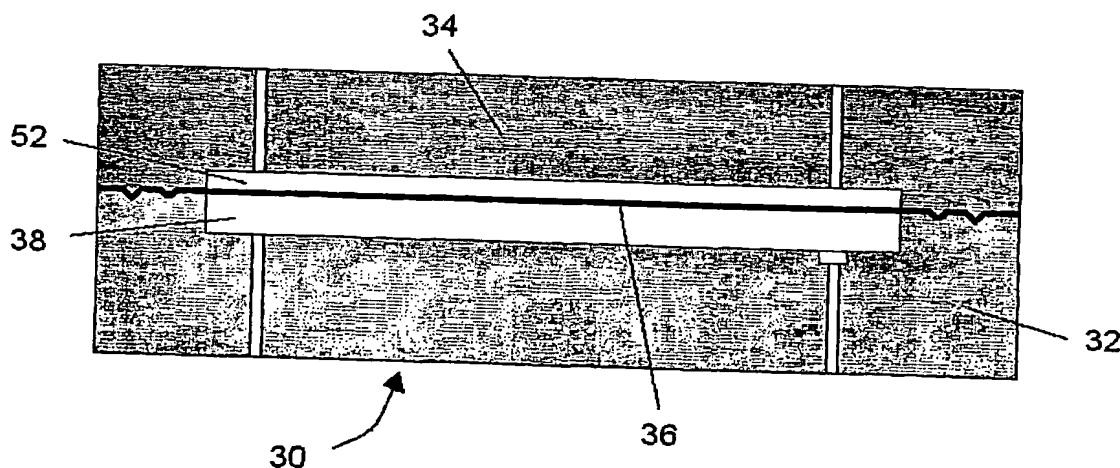
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(54) Title: MANUFACTURE OF COMPOSITES BY A FLEXIBLE INJECTION PROCESS USING A DOUBLE OR MULTIPLE CAVITY MOLD



(57) Abstract: The present invention generally relates to a mold assembly (32, 34) and a method of using the mold for the manufacture of composite parts which, more particularly, are generated from a strengthener in a generally solid phase and a matrix in a generally liquid phase. Various types of molds and processes may be used in order to impregnate a strengthener with a matrix such that a composite part may be manufactured, but the efficiency rate and the duration of the manufacturing process significantly varies depending on the chosen type of mold and process. The present invention relates to a mold assembly and to the manufacture of composites by using the mold assembly which includes the injection of the matrix in the mold assembly containing the strengthener and a deformable member (36) which favors the impregnation of the matrix toward the strengthener.

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